

## CLAIMS

What is claimed is:

- 1 1. A method for providing an address of a remote computer to a management computer, the  
2 method comprising:  
3 configuring in an address issuing computer Option data about a management computer,  
4 the Option data comprising:  
5 an identification of and authorization for a remote computer to request an  
6 address from the address-issuing computer, and  
7 a management computer address of the management computer;  
8 sending a request, from the remote computer to the address-issuing computer, for an  
9 address;  
10 receiving, at the remote computer, the requested address from the address issuing  
11 computer and the Option data; and  
12 executing a local code in the remote computer, the local code in the remote computer  
13 being responsive to the Option data, wherein the local code directs the remote computer to  
14 automatically provide the address of the remote computer to the management computer.
- 1 2. The method of claim 1, wherein the management computer is a management server, and  
2 the remote computer is a remote management processor under the control of the management  
3 server.
- 1 3. The method of claim 2, wherein the address-issuing computer is a Dynamic Host  
2 Configuration Protocol (DHCP) server.
- 1 4. The method of claim 3, wherein the address of the remote computer is an Internet  
2 Protocol (IP) address.

1 5. A method of claim 2, wherein the sending of the request, from the remote computer to the  
2 address issuing computer, for an address for the remote computer is automatically prompted by  
3 the remote computer receiving its IP address.

1 6. The method of claim 1, wherein the local code directs the remote computer to  
2 automatically provide the address of the remote computer to the management computer in an  
3 ALERT packet.

1 7. A system for providing an address of a remote computer to a management computer, the  
2 system comprising:

3 means for sending Option data from a management computer to an address issuing  
4 computer, the Option data comprising:

5 an identification of and authorization for a remote computer to request an  
6 address from the address-issuing computer,

7 a management computer address of the management computer, and

8 means for sending a request, from the remote computer to the address-issuing computer,  
9 for an address;

10 means for receiving, at the remote computer, the requested address from the address  
11 issuing computer; and

12 means for executing a local code in the remote computer, the local code in the remote  
13 computer being responsive to the instructions to provide the address of the remote computer to  
14 the management computer, wherein the local code directs the remote computer to automatically  
15 provide the address of the remote computer to the management computer.

1 8. The system of claim 7, wherein the management computer is a management server, and  
2 the remote computer is a management server sub-system under the control of the management  
3 server.

1 9. The system of claim 8, wherein the address-issuing computer is a Dynamic Host  
2 Configuration Protocol (DHCP) server.

1 10. The system of claim 9, wherein the address of the remote computer is an Internet  
2 Protocol (IP) address.

1 11. A system of claim 8, wherein the sending of the request, from the remote computer to the  
2 address issuing computer, for an address for the remote computer is prompted by the remote  
3 computer being powered on.

1 12. A computer program product, residing on a computer usable medium, for providing an  
2 address of a remote computer to a management computer, the computer program product  
3 comprising:

4 program code for sending Option data from a management computer to an address  
5 issuing computer, the Option data comprising:

6 an identification of and authorization for a remote computer to request an  
7 address from the address-issuing computer,

8 a management computer address of the management computer, and

9 program code for sending a request, from the remote computer to the address-issuing  
10 computer, for an address;

11 program code for receiving, at the remote computer, the requested address from the  
12 address issuing computer; and

13 program code for executing a local code in the remote computer, the local code in the  
14 remote computer being responsive to the instructions to provide the address of the remote  
15 computer to the management computer, wherein the local code directs the remote computer to  
16 automatically provide the address of the remote computer to the management computer.

1 13. The computer program product of claim 12, wherein the management computer is a  
2 management server, and the remote computer is a management processor under the control of the  
3 management server.

1 14. The computer program product of claim 13, wherein the address-issuing computer is a  
2 Dynamic Host Configuration Protocol (DHCP) server.

1 15. The computer program product of claim 14, wherein the address of the remote computer  
2 is an Internet Protocol (IP) address.

1 16. A computer program product of claim 13, wherein the sending of the request, from the  
2 remote computer to the address issuing computer, for an address for the remote computer is  
3 prompted by the remote computer being powered on.

1 17. A service for providing an address of a remote computer to a management computer, the  
2 service comprising:

3 sending Option data from a management computer to an address issuing computer, the  
4 Option data comprising:

5 an identification of and authorization for a remote computer to request an  
6 address from the address-issuing computer,

7 a management computer address of the management computer, and

8 sending a request, from the remote computer to the address-issuing computer, for an  
9 address;

10 receiving, at the remote computer, the requested address from the address issuing  
11 computer; and

12 executing a local code in the remote computer, the local code in the remote computer  
13 being responsive to the instructions to provide the address of the remote computer to the  
14 management computer, wherein the local code directs the remote computer to automatically  
15 provide the address of the remote computer to the management computer.

1 18. The service of claim 17, wherein the management computer is a management server, and  
2 the remote computer is a management server sub-system under the control of the management  
3 server.

1 19. The service of claim 18, wherein the address-issuing computer is a Dynamic Host  
2 Configuration Protocol (DHCP) server.

1 20. The service of claim 19, wherein the address of the remote computer is an Internet  
2 Protocol (IP) address.

1 21. A service of claim 18, wherein the sending of the request, from the remote computer to  
2 the address issuing computer, for an address for the remote computer is prompted by the remote  
3 computer being powered on.